IEEE P802.22 Wireless RANs

|  |
| --- |
| 2015 March Plenary IEEE 802.22 Working Group Minutes |
| Date: 2015-03-09 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Gabriel Villardi | NICT | Yokosuka, Japan | +81(0)46-847-5438 | gpvillardi@nict.go.jp |
| Apurva Mody | BAE Systems | Merrimack, NH | 404-819-0314 / 603-809-0459 | apurva.mody@baesystesms.com; apurva\_mody@yahoo.com |

**IEEE 802.22 Wireless Regional Area Networks**

**Notice:** This document has been prepared to assist IEEE 802.22. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

**Release:** The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE’s name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE’s sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.22.

**Patent Policy and Procedures:** The contributor is familiar with the IEEE 802 Patent Policy and Procedures

<[**http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf**](http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf)>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair Apurva N. Mody <**apurva.mody@ieee.org**> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.22 Working Group. **If you have questions, contact the IEEE Patent Committee Administrator at <****patcom@ieee.org****>**.

Abstract

This document contains the minutes of the IEEE 802.22 Working Group 2015 March Plenary Meeting held in Berlin from 09th to 12th, March 2015.

**March 2015 Plenary**

**MINUTES**

##### 09rd March Monday PM1 (WG Opening Plenary)

The WG chairman, Dr Mody, called the meeting to order at 1:40 PM local time. There were 6 participants (6 are voting members) were in the room at the opening of the session.

WG announced that the meeting was in quorum since it was announced more than 45 days in advance.

**1.1 Approval of Agenda**

**The WG chair, Dr. Mody, explained agenda for the plenary session in Berlin.**

***Motion - Approval of Agenda***

Move to Approve the Agenda as shown in Document 22-15-0001 Rev0

(<https://mentor.ieee.org/802.22/dcn/15/22-15-0001-00-0000-march-plenary-agenda.xls>)

Move: Jerry Kalke

Second: SungHyun Hwang

For: 5 (no objection)

Against: 0

Abstain: 0

**Motion Passes**. Agenda is approved

**1.2 Approval of the minutes of the last session**

The minutes of the 802.22 November 2014 WG Plenary Meeting can be found at:

<https://mentor.ieee.org/802.22/dcn/15/22-15-0006-00-0000-802-22-november-plenary-meeting-minutes.docx>

***Motion- Approval of Minutes***

Move to approve the 802.22 WG November Plenary meeting minutes held in San Antonio as shown in Document 22-15-0006 Rev0

 (<https://mentor.ieee.org/802.22/dcn/15/22-15-0006-00-0000-802-22-november-plenary-meeting-minutes.docx>)

Move: Chang-woo Pyo

Second: Keat Beng Toh

For: 5

Against: 0

Abstain: 0

**Motion Passes**. Minutes are approved

**2. Administrative Issues**

The WG Chair, Dr. Mody, reviewed the usual administrative slides on Patent Policy, Letter of Assurance, Anti-trust statement, IEEE code of ethics, etc.

The WG Chair, Dr. Mody, reminded everyone that the attendance recording is being done electronically as usual.

**3. Discussions during the Working Group Session**

1. The WG has developed a press release on the approval of the IEEE 802.22 standard by ISO.

***Motion- Motion to approve IEEE Std. 802.22-2011 press release***

Motion to approve the press release on the approval of the IEEE Std. 802.22-2011 by ISO as contained in the document [22-14-0005-00](https://mentor.ieee.org/802.22/dcn/15/22-15-0005-00-0000-802-22-standard-iso-approval-press-release.docx).

Move: Jerry Kalke

Second: Sung Hyun Hwang

For: 5

Against: 0

Abstain: 0

Motion passed with unanimous consent.

##### 10th March Tuesday AM2

1. The WG chairman, Dr Mody, called the meeting to order at 10:30 AM local time. There were 6 participants (6 are voting members) were in the room at the opening of the session.

2. The 802c PAR, CSD were discussed in the WG session.

3. The 802.11ay PAR was discussed in the WG session. A comment was drafted inquiring upon the intended frequency of operation of 802.11ay.

4. The 802.15.3c PAR was discussed in the WG session.

5. The Privacy Recommendation EC Study Group PAR and CSD were discussed in the WG session.

6. The WG recessed at 11:30 local time.

##### 11th March Wednesday AM2

1. The WG chairman, Dr Mody, called the meeting to order at 10:30 AM local time. There were 5 participants (5 are voting members) were in the room at the opening of the session.

2. Discussions on the IEEE P802.22.3 Spectrum Characterization and Occupancy Sensing (SCOS) were held. The group went through the document IEEE 802.22-15/0008r00-0003 on the Functional Rquirement Document.

***Motion- Forwarding IEEE Std. 802.22a-2014 and P802.22b latest revision to ISO/IEC/JTC1 as an information only document***

Move to forward IEEE Std. 802.22a-2014 and P802.22b Draft 5 to ISO/IEC/JTC1 as an information only document for review purposes.

Move: Jerry Kalke

Second: Keat Beng Toh

For: 6

Against: 0

Abstain: 0

**Motion passes**.

3. The group recessed at 12:30.

##### 11th March Wednesday PM1

1. The WG chairman, Dr Mody, called the meeting to order at 14:45 PM local time. There were 7 participants (6 voting members) were in the room at the opening of the session.

2. Discussions on the IEEE P802.22.3 Spectrum Characterization and Occupancy Sensing (SCOS) continued during PM1 session. The group went through the document IEEE 802.22-15/0008r00-0003.

3. The group recessed at 15:30.

##### 12th March Thursday PM1 – Closing Plenary

6 Voting Members were in the room.

***Motion- Motion to approve IEEE Std. 802.22-2011 press release on ISO Approval***

Motion to approve the Press Release (PR) on the approval of the IEEE Std. 802.22-2011 by ISO as contained in the document [22-14-0005-02](https://mentor.ieee.org/802.22/dcn/15/22-15-0005-02-0000-802-22-standard-iso-approval-press-release.docx). The 802.22 WG authorizes the Chair to make a motion to the EC seeking approval to release this PR and make any additional changes based on comments from the EC or the IEEE-SA.

Move: Jerry Kalke

Second: Sung Hyun Hwang

For: 5

Against: 0

Abstain: 0

Motion passed with unanimous consent.

***Motion- 802.22b recirculation***

The working group requests 802.22b task group chair and editor Dr. Chang-woo Pyo to address and resolve comments from the P802.22b Sponsor Ballot, and to issue P802.22b Draft 5.0. Move to initiate a 15 days Sponsor Ballot Recirculation by April 15th, 2015, and subsequently prepare new drafts as needed based on the comment resolutions thereof.

Move: Dr. Gabriel Villardi

Second: Dr. Keat Beng Toh

For: 5

Against: 0

Abstain: 0

**Motion Passes**.

***Motion- Conditional Approval to Forward the P802.22b to the RevCom***

Working Group Approves the P802.22b CSD (Grand fathered 5C): <https://mentor.ieee.org/802.22/dcn/11/22-11-0119-04-rasg-5c-for-enhanced-broadband-and-monitoring-amendment.docx> as shown in Document: and authorizes the 802.22 WG chair to make a motion to the IEEE 802 Executive Committe for (conditional) approval to forward the P802.22b Draft amendment standard to the RevCom that has met all the conditions as stated in the IEEE 802 operations manual.

Move: Dr. Keat Beng Toh

Second: Dr. Sunghyun Hwang

For: 5

Against: 0

Abstain: 0

**Motion Passes**.

***Motion- Approval to Schedule Teleconference Meetings***

Move to authorize the 802.22 WG chair to schedule teleconference meetings as he sees fit to conduct the business of 802.22 WG from now until November 2015 plenary meeting.

Move: Dr. Keat Beng Toh

Second: Dr. Sunghyun Hwang

For: 5

Against: 0

Abstain: 0

**Motion Passes**.

***Motion- Empower the 802.22 WG Chair to Cancel the 802.22 May 2015 Interim Meeting***

Move to empower the 802.22 WG chair to cancel the 802.22 May 2015 interim meeting.

Move: Dr. Sung Hyun Hwang

Second: Jerry Kalke

For: 5

Against: 0

Abstain: 0

**Motion Passes**.

***Motion- 802.22 Approves the 802.24 Technical Advisory Group***

Move that the 802.22 working group supports the formation of the IEEE 802.24.2 IoT Task Group with the Scope contained in Document: [24-15-0003-01.docx](https://mentor.ieee.org/802.24/dcn/15/24-15-0003-01-0000-iot-scope-form.docx)

Move: Dr. Chang-woo Pyo

Second: Dr. Gabriel Villardi

For: 5

Against: 0

Abstain: 0

**Motion Passes**.

***Motion- 802.22.3 SCOS Functional Requirements Document***

The 802.22 WG approves the P802.22.3 Spectrum Characterization and Occupancy Sensing Functional Requirements Document [22-15-0008](https://mentor.ieee.org/802.22/dcn/15/22-15-0008-00-0003-scos-functional-rquirements-document.doc)

Move: Jerry Kalke

Second: Dr. Gabriel Villardi

For: 5

Against: 0

Abstain: 0

**Motion Passes**.

***Motion- 802.22.3 SCOS Draft***

The 802.22 WG authorizes the 802.22 WG Chair to pick Clauses from the IEEE Std. 802.22-2011 which may be relevant to the P802.22.3 Spectrum Characterization and Occupancy Sensing Standard and request the IEEE SA Staff to create and provide a Draft for discussions by the July Plenary Meeting

Move: Jerry Kalke

Second: Dr. Gabriel Villardi

For: 5

Against: 0

Abstain: 0

**Motion Passes**.

**Motion– Motion to adjourn**

Move to adjourn.

Move: Dr. Chang-woo Pyo

Second: Dr. Gabriel Villardi

For: 5

Against: 0

Abstain: 0

Motion Passes.

The group was adjourned at 15:30 pm local time on Thursday 12th November 2015.

**802.22 Attendance List March, 2015 Plenary**

|  |  |  |
| --- | --- | --- |
| Ca **Hwang** hi | Rad**Sunghyun**akrishna | Ky ETRI, Korea ocera |
| **Villardi**  | **Gabriel** | NICT, Japan |
| **Pyo** | **Chang-Woo** | NICT, Japan |
| **Mody**  | **Apurva** | BAE Systems |
| **Toh**  | **Keat-Beng** |  Hitachi KokusaiiHlab |
| **Jerry**  | **Kalke** | CBS |
| IvI Christophe I | Diminico | MC MC Communications |
| IvIWael I | Dia Diab | Huawei |
| IvI Yano I | Hiroyuki | N NICT |
| IvI I |  |  |

*Note: Participants who had voting status appear in* ***bold****.*

**ANNEX**

**Working Group Contributions can be found at** [**https://mentor.ieee.org/802.22/documents**](https://mentor.ieee.org/802.22/documents)